WO 2004/092008 PCT/CA2004/000163

CLAIMS

5

1. A type of front-mounted booster, water-separation propeller, of which the feature lies in its composition of an influence tube, a left thin and flat gushing gutter, a right thin and flat gushing gutter, a booster and its axle, screwed connections. An influence tube, a left thin and flat gushing gutter, a right thin and flat gushing gutter and screwed connections compose the external part of this invention; and a booster and its axle compose the interior part of it. This inventive installation will be attached on the vessel with screwed connections.

- 2. According to the front-mounted booster, water-separation propeller above-mentioned in claim1, the invention consists of the feature that the two thin, flat gushing gutters, of which the directions are open toward side back of the vessel.
 - 3. According to the front-mounted booster, water-separation propeller above-mentioned in claim 1 or 2, the invention consists of the feature that the direction of the influence tube is open toward right front of the vessel.
- 4. According to the front-mounted booster, water-separation propeller above-mentioned in claim 1, 2, and 3, the invention consists of the feature that the sum of the areas of the outmost cut-off planes of two gushing gutters is equal to the area of the cut-off plane of influence tube.
- 5. According to the front-mounted booster, water-separation propeller above-mentioned in claim 1, 2, 3, and 4, the invention consists of the feature that external part of this invention which is composed of an influence tube, a left thin and flat gushing gutter, a right thin and flat gushing gutter and screwed connections, is an independently changeable part.
- 6. According to the front-mounted booster, water-separation propeller above-mentioned in claim 1, 2, 3, 4 and 5, the invention consists of the feature that the interior part which is composed of a booster and its axle is an independently changeable part.